

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the NATIONAL OFFICE OF VITAL STATISTICS Executive 3-6300, Ext. 4744

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended April 16, 1960

EPIDEMIOLOGICAL REPORTS

Forty-five of the 104 cases of hepatitis reported in Florida for the current week, ended April 16, represent delayed reports.

Puerto Rico reported 30 cases of paralytic poliomyelitis and 1 nonparalytic case for the week ended April 9, according to a report received too late for inclusion in data for that week. However, 11 cases have been subtracted from 1960 cumulative totals making a corrected total of 45 paralytic cases and 1 nonparalytic case through April 9. Twenty of the cases have occurred in Ponce, mostly during March. There was a high concentration of cases in preschool age children. The remainder of the cases are scattered. The report from Puerto Rico for the week ended April 17 has not been received.

Plague

Mr. F. M. Prince, San Francisco Field Station, Public Health Service, has supplied information on the results of a field study following the occurrence of 2 cases of bubonic plague in New Mexico. A culture from one of the patients was received at 3:00 p.m. on March 5; by 4:30 p.m. the culture was shown to be positive for Pasteurella pestis by use of the fluorescent antibody technique. This was later confirmed by culture on blood agar, by agglutination tests, by tests with

Continued on page 2

Table 1. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports)

Disease (Seventh Revision of International Lists, 1955)	15th week			Cumulative						Approximate seasonal low point
	Ended Apr. 16, 1960 ¹	Ended Apr. 18, 1959	Median 1955-59	First 15 weeks			Since seasonal low week			
				1960 ¹	1959	Median 1955-59	1959-60 ¹	1958-59	Median 1954-55 to 1958-59	
Anthrax-----062	-	1	1	6	4	6	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	-	3	2	-	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)----044	23	20	20	238	206	252	(2)	(2)	(2)	(2)
Diphtheria-----055	6	14	14	246	281	319	814	887	1,092	July 1
Encephalitis, infectious-----082	25	30	30	419	402	361	2,041	2,137	1,700	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	836	489	470	11,567	8,090	7,329	19,997	13,507	13,507	Sept. 1
Malaria-----110-117	1	1	3	14	19	26	(2)	(2)	(2)	(2)
Measles-----085	18,616	14,853	24,778	185,546	202,476	257,405	225,015	253,865	287,174	Sept. 1
Meningitis, aseptic-----340 pt.	29	-	-	423	-	-	-	-	-	-
Meningococcal infections-----057	54	52	49	868	832	948	1,532	1,695	1,957	Sept. 1
Poliomyelitis-----080	13	18	32	247	330	595	8,546	37	65	Apr. 1
Paralytic-----080.0,080.1	9	13	13	175	234	304	5,697	26	29	Apr. 1
Nonparalytic-----080.2	1	2	14	42	54	197	2,162	6	28	Apr. 1
Unspecified-----080.3	3	3	5	30	42	94	687	5	8	Apr. 1
Psittacosis-----096.2	4	2	4	48	35	77	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	-	-	2	(2)	(2)	(2)	(2)
Streptococcal sore throat, including scarlet fever-----050,051	7,929	-	-	130,234	-	-	-	-	-	-
Typhoid fever-----040	11	5	16	152	143	290	892	16	31	Apr. 1
Typhus fever, endemic-----101	1	1	1	6	9	19	47	3	3	Apr. 1
Rabies in animals-----	85	76	112	1,263	1,201	1,551	2,312	2,102	2,601	Oct. 1

¹Data exclude report from Montana for the current week.

²Data show no pronounced seasonal change in incidence.

EPIDEMIOLOGICAL REPORTS—Continued

specific bacteriophage, and by inoculation into laboratory mice. The other case was confirmed by serological tests. A field investigation was carried out from March 9 to 14. Animals collected included jack rabbits, *Lepus californicus*, cottontail rabbits, *Sylvilagus auduboni*, pack rats, *Neotoma* species, deer mice, *Peromyscus leucopus*, and kangaroo rats, *Dipodomys* species. Evidence was found of an epizootic among *Neotoma* in an area in which the patients had hunted rabbits. Dead pack rats were found in their nests, and dead cottontail rabbits also were found. Tissues from trapped and shot animals, and animals found dead were shipped frozen to San Francisco. Examination on March 16 of various tissues from the following sources were shown to be positive for *P. pestis* by the fluorescent antibody technique: 1 jack rabbit, 2 pack rats, and 3 cottontail rabbits. Other confirmatory tests are in progress. The evidence suggested that the victims had acquired the infection by skinning and eviscerating the rabbits with their bare hands on which there were numerous scratches and cuts. It appeared that the epizootic first decimated the *Neotoma* population and then was transferred to rabbits and possibly other hosts.

Influenza

Information was received from Dr. J. C. Wilt, University of Manitoba, Canada, that an old folk's home in Manitoba having about 150 occupants has reported an outbreak of clinical influenza beginning about April 1. Since that date, 21 persons in the home have had an illness resembling influenza. Some of the patients were seriously ill; 4 were admitted to the hospital; 3 died. The outbreak appears to be resolving itself at the present time. Six throat swabs from patients yielded one isolation of influenza A2 virus. Of 10 single blood samples 5 gave titers from 1:64 to 1:128; paired sera on 1 patient showed an increase from 1:4 to 1:64. Single blood samples from well roommates of the above patients gave the following results: 4 were negative, 4 gave titers of 1:4, 2 gave titers of 1:8, 8 gave titers of 1:16, and 2 gave titers of 1:64. Many of the well persons in the home had influenza last spring, but none of the patients in the current outbreak gave a history of influenza last spring. In the city of Manitoba, a family of 5 persons has been diagnosed as having severe influenza. A 75-year-old member of this family died. Post mortem examination revealed an influenzal pneumonitis. Influenza A2 virus was isolated from lung tissue. Single blood samples from 2 other persons in the city have shown a titer of 1:64 and 1:128; both of these persons exhibited symptoms and signs of influenza.

Staphylococcal food poisoning

Mr. Everett Marsden, Mesa County (Colorado) Health Department, reported an outbreak of staphylococcal food poisoning among 350 Rainbow Girls eating a luncheon prepared by various mothers. Twenty-five cases were reported, beginning from 2 to 5 hours after the luncheon with sudden onset of headache, nausea, vomiting, and diarrhea. It was reported that the food had been poorly handled throughout the luncheon, but ham apparently was the source of infection. Nearly pure cultures of coagulase- and manitol-positive *Staphylococcus aureus* were recovered from the ham. The ham had been partially cooked then left at room temperature overnight. Then it was cooked again and refrigerated. Before it was served it was heated and left in steamtables.

Gastroenteritis

Dr. Joseph P. Reardon, Massachusetts Department of Public Health, reported that an undetermined number of persons became ill from 3 to 12 hours after attending a banquet sponsored by a social group. Symptoms consisted of abdominal cramps and diarrhea. The menu included gelatin with cabbage, pineapple, and mayonnaise; mashed potatoes; canned mixed vegetables; Swedish meatballs; and cream puffs with ice cream. No food was available for laboratory study. Stool specimens from 3 patients and a foodhandler were negative for the usual enteric pathogens. The cream puffs did not contain whipped cream but rather ice cream which was purchased about an hour before the banquet. The meatballs contained ground hamburger and pork purchased the day before the banquet. They were prepared several hours before serving and kept in a container on a stove. Health officials did not learn of the outbreak until 8 days after the banquet.

Three reports of outbreaks of gastroenteritis were received from the California State Department of Public Health. Two of the reports concerned food eaten in public establishments. In one instance 2 persons became ill 2½ hours after eating pot roast. A sample of the roast yielded a plate count of 2,200,000 colonies of pathogenic micrococci per gram. Inspection of the restaurant revealed that meats were kept at improper temperatures. In the second report, 3 persons became ill from 2 to 6 hours after ingestion of beef tacos and root beer. No specimens of the food items were available for examination. Symptoms consisted of headache and dizziness but no diarrhea. The third report stated that 83 persons became ill following a church supper attended by 175 persons. The incubation period ranged from 4 to 18 hours. Symptoms included severe abdominal cramps and diarrhea, nausea, fever, and dizziness. The suspect food was beef stew prepared in a local restaurant. However, no food poisoning organisms were isolated from samples of the stew nor from salad dressing. There was no evidence of gross bacterial contamination of these foods. One batch of the stew was cooked in the morning and then kept at room temperature until it was reheated before serving in the evening. It was not known to what temperature nor for how long the stew was reheated. Stool and urine specimens from 8 persons were negative for known pathogens.

QUARANTINE MEASURES

Immunitization Information for International Travel
Public Health Service Publication No. 384 (1959)

Changes Reported

The following name should be added to the list of Yellow Fever Vaccination Centers in Section 6:

<u>City</u>	<u>Center</u>	<u>Clinic Hours</u>	<u>Fee</u>
Texas Freeport	Freeport Medical & Surgical Clinic 304 West Broad Street Tel. BE 3-3521	By appoint- ment only	Yes

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 18, 1959, AND APRIL 16, 1960

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080										Menin- gitis, aseptic 340 pt.	Brucel- losis (undul- lant fever) 044
	Total ¹				Paralytic 080.0,080.1				Nonparalytic			
	15th week		Cumulative, first 15 weeks		15th week		Cumulative, first 15 weeks		080.2			
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959		
UNITED STATES ² -----	13	18	247	330	9	13	175	234	1	2	29	23
NEW ENGLAND-----	1	1	7	6	1	-	7	5	-	-	1	-
Maine-----	1	-	3	-	1	-	3	-	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	1	-	-	-	1	-	-	-	-
Massachusetts-----	-	1	4	4	-	-	4	3	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	1	-
Connecticut-----	-	-	-	1	-	-	-	1	-	-	-	-
MIDDLE ATLANTIC-----	2	2	36	23	2	1	25	8	-	1	2	-
New York-----	-	2	29	19	-	1	19	7	-	1	-	-
New Jersey-----	2	-	5	2	2	-	5	-	-	-	2	-
Pennsylvania-----	-	-	2	2	-	-	1	1	-	-	-	-
EAST NORTH CENTRAL-----	3	2	30	23	2	1	9	15	-	-	3	1
Ohio-----	-	1	15	11	-	-	3	5	-	-	-	-
Indiana-----	1	-	1	1	-	-	-	1	-	-	-	-
Illinois-----	1	-	4	1	1	-	3	-	-	-	2	1
Michigan-----	1	-	8	8	1	-	3	7	-	-	1	-
Wisconsin-----	-	1	2	2	-	1	-	2	-	-	-	-
WEST NORTH CENTRAL-----	-	-	14	34	-	-	8	18	-	-	-	17
Minnesota-----	-	-	8	-	-	-	6	-	-	-	-	-
Iowa-----	-	-	4	-	-	-	2	-	-	-	-	14
Missouri-----	-	-	1	26	-	-	-	17	-	-	-	2
North Dakota-----	-	-	-	1	-	-	-	-	-	-	-	-
South Dakota-----	-	-	1	2	-	-	-	-	-	-	-	1
Nebraska-----	-	-	-	3	-	-	-	1	-	-	-	-
Kansas-----	-	-	-	2	-	-	-	-	-	-	-	-
SOUTH ATLANTIC-----	-	8	44	72	-	8	35	55	-	-	4	1
Delaware-----	-	-	1	2	-	-	-	2	-	-	-	-
Maryland-----	-	-	1	-	-	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	-	-	-	1	-	-	-	1	-	-	-	1
West Virginia-----	-	-	3	11	-	-	3	10	-	-	-	-
North Carolina-----	-	1	13	6	-	1	13	5	-	-	-	-
South Carolina-----	-	-	2	6	-	-	2	4	-	-	-	-
Georgia-----	-	1	2	3	-	1	2	3	-	-	-	-
Florida-----	-	6	22	43	-	6	15	30	-	-	4	-
EAST SOUTH CENTRAL-----	-	1	8	30	-	-	7	19	-	1	3	1
Kentucky-----	-	-	6	7	-	-	5	6	-	-	-	1
Tennessee-----	-	-	-	9	-	-	-	5	-	-	-	-
Alabama-----	-	-	1	1	-	-	1	-	-	-	-	-
Mississippi-----	-	1	-	13	-	-	1	8	-	1	3	-
WEST SOUTH CENTRAL-----	1	2	21	71	1	2	16	57	-	-	5	2
Arkansas-----	-	-	3	12	-	-	1	12	-	-	-	-
Louisiana-----	-	-	5	12	-	-	4	10	-	-	-	-
Oklahoma-----	-	-	1	3	-	-	1	2	-	-	-	-
Texas-----	1	2	12	44	1	2	10	33	-	-	5	2
MOUNTAIN ² -----	2	2	14	14	-	1	8	8	-	-	-	-
Montana-----	---	---	24	-	---	---	23	---	---	---	---	---
Idaho-----	-	-	4	-	-	-	1	-	-	-	-	-
Wyoming-----	1	-	1	1	-	-	-	-	-	-	-	-
Colorado-----	-	-	1	2	-	-	1	2	-	-	-	-
New Mexico-----	1	-	1	4	-	-	-	1	-	-	-	-
Arizona-----	-	1	2	5	-	1	2	5	-	-	-	-
Utah-----	-	1	1	2	-	-	1	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	4	-	73	57	3	-	60	49	1	-	11	1
Washington-----	-	-	6	4	-	-	6	4	-	-	1	-
Oregon-----	1	-	12	3	1	-	8	3	-	-	-	1
California-----	3	-	54	50	2	-	45	42	1	-	10	-
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	1	(3)	-	-	1	(3)	-	-	-	-
Puerto Rico-----	---	-	346	3	---	-	345	3	---	-	---	---

¹Includes cases not specified by type, category number 080.3.
³Data exclude report from Puerto Rico for the current week.

²Data exclude report from Montana for the current week.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 18, 1959, AND APRIL 16, 1960—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092, N998.5 pt.				Measles	
	15th week		Cumulative, first 15 weeks		082		15th week		Cumulative, first 15 weeks		085	
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959
UNITED STATES ² -----	6	14	246	281	25	30	836	489	11,567	8,090	18,616	14,853
NEW ENGLAND-----	1	1	7	4	-	2	18	15	368	265	2,052	870
Maine-----	-	-	2	-	-	-	-	3	27	50	113	109
New Hampshire-----	-	-	-	-	-	-	2	-	11	8	12	22
Vermont-----	-	-	-	-	-	-	-	-	6	14	166	27
Massachusetts-----	1	1	4	4	-	1	12	6	191	118	1,091	210
Rhode Island-----	-	-	1	-	-	1	4	4	66	24	72	14
Connecticut-----	-	-	-	-	-	-	-	2	67	51	598	488
MIDDLE ATLANTIC-----	-	-	7	18	3	1	92	76	1,124	1,115	3,028	3,629
New York-----	-	-	1	11	1	-	46	46	569	662	2,604	1,153
New Jersey-----	-	-	1	6	1	1	8	12	84	138	269	1,341
Pennsylvania-----	-	-	5	1	1	-	38	18	471	315	155	1,135
EAST NORTH CENTRAL-----	-	-	22	16	1	3	151	116	2,293	1,330	5,561	1,826
Ohio-----	-	-	14	5	1	-	63	32	707	389	1,002	568
Indiana-----	-	-	3	1	-	2	11	8	336	140	323	228
Illinois-----	-	-	2	7	-	-	44	12	481	259	1,048	217
Michigan-----	-	-	3	1	-	1	32	61	646	463	1,356	361
Wisconsin-----	-	-	-	2	-	-	1	3	123	79	1,832	452
WEST NORTH CENTRAL-----	1	3	13	21	-	3	59	51	1,013	656	433	726
Minnesota-----	-	1	3	8	-	-	3	9	99	152	277	42
Iowa-----	-	-	2	2	-	1	9	-	196	52	80	352
Missouri-----	1	-	2	2	-	-	24	8	370	167	19	128
North Dakota-----	-	-	1	-	-	-	1	9	83	144	54	199
South Dakota-----	-	-	4	2	-	-	4	-	95	7	-	2
Nebraska-----	-	2	-	7	-	-	9	3	83	42	3	3
Kansas-----	-	-	1	-	-	2	9	2	87	92	(*)	(*)
SOUTH ATLANTIC-----	2	3	55	63	5	4	169	28	1,389	810	883	2,081
Delaware-----	-	-	-	-	-	-	2	2	62	43	5	37
Maryland-----	-	-	-	-	1	-	10	8	141	202	182	82
District of Columbia-----	-	-	-	-	1	-	-	1	11	10	57	14
Virginia-----	-	-	8	4	-	-	9	2	294	156	225	859
West Virginia-----	-	-	1	1	-	-	19	6	275	184	126	299
North Carolina-----	2	-	4	6	1	-	22	-	97	39	38	206
South Carolina-----	-	-	13	4	-	-	-	-	30	13	18	215
Georgia-----	-	1	8	28	-	-	3	7	116	80	2	7
Florida-----	-	2	21	20	2	4	104	2	363	83	230	362
EAST SOUTH CENTRAL-----	-	4	28	37	-	1	88	48	1,816	775	1,446	879
Kentucky-----	-	2	-	3	-	-	32	23	790	392	569	255
Tennessee-----	-	-	5	4	-	-	30	10	561	170	768	337
Alabama-----	-	2	16	9	-	-	14	14	337	141	58	121
Mississippi-----	-	-	7	21	-	1	12	1	128	72	51	166
WEST SOUTH CENTRAL-----	1	3	85	111	1	1	84	50	879	568	2,555	873
Arkansas-----	-	1	1	31	-	-	5	1	40	22	97	24
Louisiana-----	-	2	20	37	-	-	4	11	33	43	19	-
Oklahoma-----	-	-	5	1	-	-	12	5	136	84	26	20
Texas-----	1	-	59	42	1	1	63	33	670	419	2,413	829
MOUNTAIN ² -----	1	-	28	8	-	1	49	51	974	1,222	747	1,055
Montana-----	-	-	² 2	-	-	-	-	5	² 44	122	-	91
Idaho-----	-	-	11	-	-	-	5	6	140	149	104	37
Wyoming-----	-	-	5	-	-	-	1	-	8	38	-	1
Colorado-----	-	-	2	2	-	1	28	19	301	357	169	152
New Mexico-----	-	-	3	4	-	-	7	12	167	277	-	286
Arizona-----	1	-	2	1	-	-	4	4	211	199	195	362
Utah-----	-	-	3	-	-	-	4	5	86	67	194	126
Nevada-----	-	-	-	1	-	-	-	-	17	13	85	-
PACIFIC-----	-	-	1	3	15	14	126	74	1,711	1,349	1,911	2,914
Washington-----	-	-	-	-	-	1	17	7	202	210	452	555
Oregon-----	-	-	-	1	-	1	30	16	335	294	412	226
California-----	-	-	-	1	15	12	74	51	1,059	835	903	2,130
Alaska-----	-	-	1	1	-	-	3	-	78	10	45	3
Hawaii-----	-	-	-	(1)	-	-	2	-	37	(19)	99	(68)
Puerto Rico-----	-	-	³ 63	11	-	-	-	-	³ 306	72	-	68

²Data exclude report from Montana for the current week.³Data exclude report from Puerto Rico for the current week.

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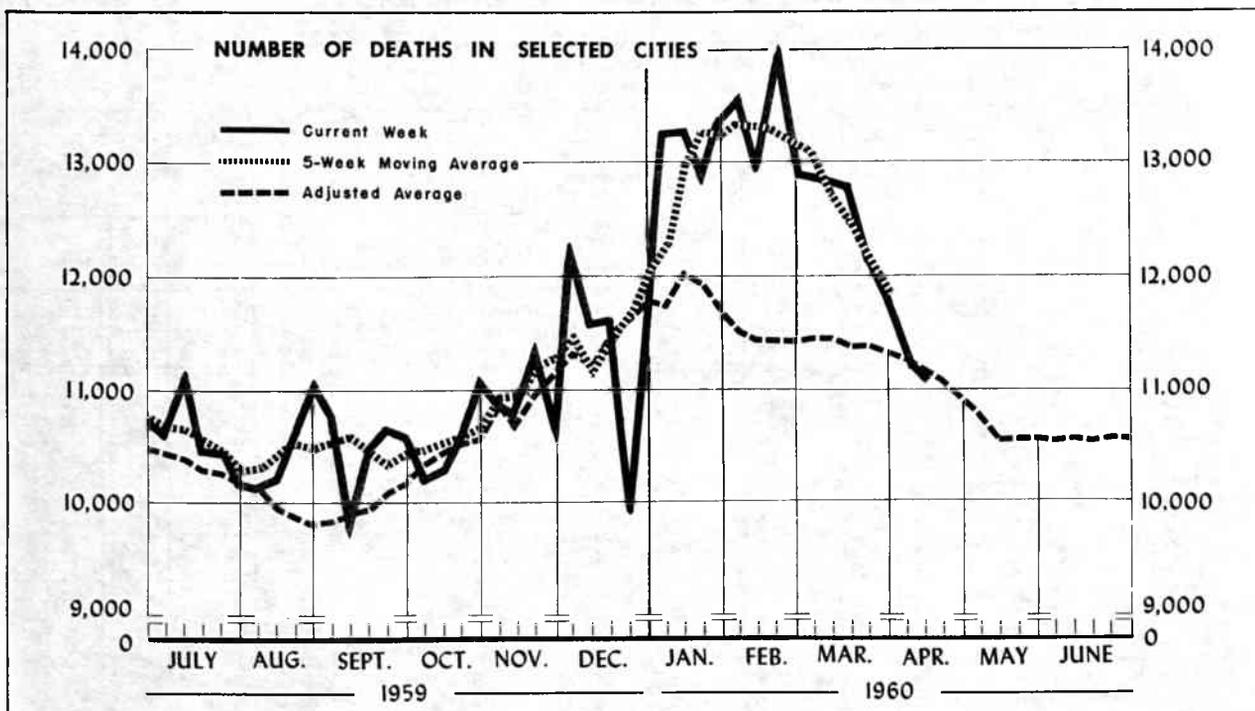
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 18, 1959, AND APRIL 16, 1960—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria	Meningococcal infections		Paittacosis	Streptococcal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
	110-117	057		096.2	050,051	15th week		Cumulative, first 15 weeks		101	1960	1959
	1960	1960	1959	1960	1960	1960	1959	1960	1959	1960	1960	1959
UNITED STATES ² -----	1	54	52	4	7,929	11	5	152	143	1	83	76
NEW ENGLAND-----	-	5	2	-	590	1	-	2	2	-	-	-
Maine-----	-	1	-	-	29	-	-	-	-	-	-	-
New Hampshire-----	-	-	-	-	4	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	9	-	-	-	-	-	-	-
Massachusetts-----	-	4	-	-	288	1	-	2	-	-	-	-
Rhode Island-----	-	-	1	-	46	-	-	-	1	-	-	-
Connecticut-----	-	-	1	-	214	-	-	-	1	-	-	-
MIDDLE ATLANTIC-----	1	15	11	2	666	-	-	6	16	-	20	3
New York-----	1	11	5	1	366	-	-	4	5	-	20	3
New Jersey-----	-	3	1	-	114	-	-	-	5	-	-	-
Pennsylvania-----	-	1	5	1	186	-	-	2	6	-	-	-
EAST NORTH CENTRAL-----	-	8	11	2	1,288	3	-	21	13	-	14	8
Ohio-----	-	1	3	-	276	-	-	1	7	-	6	5
Indiana-----	-	2	1	-	207	1	-	7	1	-	1	3
Illinois-----	-	5	2	-	221	-	-	4	1	-	1	-
Michigan-----	-	-	2	-	327	1	-	5	3	-	4	-
Wisconsin-----	-	-	3	2	257	1	-	4	1	-	2	-
WEST NORTH CENTRAL-----	-	4	5	-	226	-	-	9	6	-	12	15
Minnesota-----	-	-	-	-	32	-	-	1	-	-	1	7
Iowa-----	-	-	-	-	118	-	-	-	-	-	6	-
Missouri-----	-	-	2	-	33	-	-	7	3	-	4	5
North Dakota-----	-	1	1	-	36	-	-	-	1	-	1	1
South Dakota-----	-	-	1	-	7	-	-	1	-	-	-	-
Nebraska-----	-	2	1	-	-	-	-	-	-	-	-	2
Kansas-----	-	1	-	-	-	-	-	-	2	-	-	-
SOUTH ATLANTIC-----	-	8	9	-	446	-	1	20	35	-	7	11
Delaware-----	-	-	-	-	8	-	-	-	-	-	-	-
Maryland-----	-	2	1	-	44	-	-	-	-	-	-	-
District of Columbia-----	-	-	2	-	1	-	-	1	1	-	-	-
Virginia-----	-	-	3	-	213	-	-	3	7	-	4	2
West Virginia-----	-	-	-	-	102	-	-	1	2	-	2	-
North Carolina-----	-	2	1	-	56	-	-	7	5	-	-	3
South Carolina-----	-	-	1	-	42	-	-	6	3	-	-	-
Georgia-----	-	-	-	-	-	-	1	-	4	-	1	2
Florida-----	-	4	1	-	-	-	-	2	13	-	-	4
EAST SOUTH CENTRAL-----	-	3	2	-	1,337	-	-	29	14	-	10	21
Kentucky-----	-	1	1	-	212	-	-	10	2	-	4	8
Tennessee-----	-	-	1	-	1,071	-	-	17	6	-	5	5
Alabama-----	-	1	-	-	39	-	-	2	2	-	1	8
Mississippi-----	-	1	-	-	15	-	-	-	4	-	-	-
WEST SOUTH CENTRAL-----	-	1	5	-	817	5	1	40	28	1	17	17
Arkansas-----	-	-	1	-	1	1	-	14	4	-	4	6
Louisiana-----	-	-	4	-	4	2	-	12	6	-	-	-
Oklahoma-----	-	-	-	-	4	-	1	2	5	-	-	-
Texas-----	-	1	-	-	808	2	-	12	13	1	13	11
MOUNTAIN ² -----	-	1	-	-	1,437	1	1	11	9	-	1	1
Montana-----	-	-	-	-	-	-	-	² 5	1	-	-	-
Idaho-----	-	-	-	-	114	-	-	-	2	-	-	-
Wyoming-----	-	-	-	-	21	1	-	1	1	-	-	-
Colorado-----	-	-	-	-	494	-	-	-	-	-	-	-
New Mexico-----	-	-	-	-	188	-	-	5	1	-	1	-
Arizona-----	-	1	-	-	190	-	1	-	4	-	-	1
Utah-----	-	-	-	-	428	-	-	-	-	-	-	-
Nevada-----	-	-	-	-	2	-	-	-	-	-	-	-
PACIFIC-----	-	9	7	-	1,122	1	2	14	20	-	2	-
Washington-----	-	-	3	-	354	-	-	-	1	-	-	-
Oregon-----	-	4	-	-	120	-	-	-	1	-	-	-
California-----	-	5	4	-	602	1	2	14	17	-	2	-
Alaska-----	-	-	-	-	45	-	-	-	1	-	-	-
Hawaii-----	-	-	-	-	1	-	-	-	-	-	-	-
Puerto Rico-----	---	---	-	---	---	---	-	^s 14	2	---	---	2

²Data exclude report from Montana for the current week.

^sData exclude report from Puerto Rico for the current week.



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For 1954-58, this average is based on data for 114 cities; for 1955-59, on data for 117 cities. The adjusted average is computed as follows: From the total deaths reported each week, 3 central figures are selected by eliminating the highest and lowest figures reported for that week. A 5-week moving average of the arithmetic means of the 3 central figures is then computed. The adjusted average shown in the chart is this moving average increased by 4.0 percent to allow for estimated population growth in the cities and surrounding areas.

The use of the adjusted average is based on the assumption that the crude death rate and changes in population will remain at the level of recent years. No allowance has been made for increased use of city hospital facilities.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	15th week ended Apr. 16, 1960	14th week ended Apr. 9, 1960	Adjusted average, 15th week 1955-59	Percent change ¹	Cumulative, first 15 weeks			
					1960	1959	Adjusted average, 1955-59	Percent change ¹
TOTAL, 117 REPORTING CITIES-----	² 11,074	² 11,285	11,161	-0.8	² 191,038	180,527	172,833	+10.5
New England----- (14 cities)	² 692	704	739	-6.4	² 12,148	11,460	11,648	+4.3
Middle Atlantic----- (20 cities)	² 3,187	² 3,112	3,384	-5.8	² 52,057	52,478	51,940	+0.2
East North Central----- (21 cities)	2,252	2,490	2,512	-10.4	40,920	38,861	38,897	+5.2
West North Central----- (9 cities)	731	739	796	-8.2	13,282	12,433	12,448	+6.7
South Atlantic----- (11 cities)	1,027	982	958	+7.2	16,936	15,211	15,036	+12.6
East South Central----- (8 cities)	574	515	513	+11.9	8,867	8,054	8,012	+10.7
West South Central----- (13 cities)	919	1,001	913	+0.7	17,034	14,806	14,461	+17.8
Mountain----- (8 cities)	360	331	291	+23.7	5,849	5,001	4,418	+32.4
Pacific----- (13 cities)	1,332	1,411	1,444	-7.8	23,945	22,223	22,145	+8.1

¹Current figure divided by adjusted average.

²Includes estimates for missing cities.

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Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	15th week ended	14th week ended	Cumulative, first 15 weeks		Area	15th week ended	14th week ended	Cumulative, first 15 weeks	
	Apr. 16, 1960	Apr. 9, 1960	1960	1959		Apr. 16, 1960	Apr. 9, 1960	1960	1959
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	¹ 243	244	² 4,249	3,903	St. Louis, Mo.-----	245	212	4,233	3,873
Bridgeport, Conn.-----	29	38	675	664	St. Paul, Minn.-----	54	60	1,154	1,015
Cambridge, Mass.-----	31	30	523	453	Wichita, Kans.-----	38	39	720	738
Fall River, Mass.-----	31	34	507	445	SOUTH ATLANTIC:				
Hartford, Conn.-----	50	36	775	788	Atlanta, Ga.-----	107	109	1,934	1,764
Lowell, Mass.-----	¹ 29	23	² 397	381	Baltimore, Md.-----	252	254	4,310	3,811
Lynn, Mass.-----	28	30	429	379	Charlotte, N.C.-----	49	42	736	575
New Bedford, Mass.-----	22	24	403	378	Jacksonville, Fla.-----	70	44	1,072	918
New Haven, Conn.-----	42	43	732	727	Miami, Fla.-----	63	82	1,221	1,144
Providence, R.I.-----	67	58	1,056	1,094	Norfolk, Va.-----	34	44	734	657
Somerville, Mass.-----	10	15	248	220	Richmond, Va.-----	78	90	1,349	1,191
Springfield, Mass.-----	49	37	795	731	Savannah, Ga.-----	36	38	636	505
Waterbury, Conn.-----	23	32	454	436	St. Petersburg, Fla.-----	(69)	(84)	(1,272)	(1,139)
Worcester, Mass.-----	38	60	905	861	Tampa, Fla.-----	93	68	1,118	1,025
MIDDLE ATLANTIC:					Washington, D.C.-----	219	165	3,179	3,001
Albany, N.Y.-----	48	38	698	902	Wilmington, Del.-----	26	46	647	620
Allentown, Pa.-----	35	39	560	590	EAST SOUTH CENTRAL:				
Buffalo, N.Y.-----	145	107	2,348	2,250	Birmingham, Ala.-----	103	86	1,462	1,285
Camden, N.J.-----	36	41	719	635	Chattanooga, Tenn.-----	25	44	790	735
Elizabeth, N.J.-----	¹ 28	25	² 478	446	Knoxville, Tenn.-----	26	20	493	419
Erie, Pa.-----	34	42	597	556	Louisville, Ky.-----	136	101	1,911	1,776
Jersey City, N.J.-----	65	67	1,153	1,267	Memphis, Tenn.-----	139	132	1,918	1,790
Newark, N.J.-----	80	103	1,594	1,686	Mobile, Ala.-----	40	39	698	608
New York City, N.Y.-----	1,688	1,663	26,326	27,025	Montgomery, Ala.-----	37	36	599	508
Paterson, N.J.-----	27	50	646	627	Nashville, Tenn.-----	68	57	996	933
Philadelphia, Pa.-----	507	419	8,042	8,031	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	166	196	3,195	2,977	Austin, Tex.-----	25	33	611	479
Reading, Pa.-----	¹ 28	³ 387	347		Baton Rouge, La.-----	26	25	506	450
Rochester, N.Y.-----	100	79	1,654	1,525	Corpus Christi, Tex.-----	26	20	422	316
Schenectady, N.Y.-----	19	25	383	368	Dallas, Tex.-----	114	124	2,037	1,804
Scranton, Pa.-----	36	35	612	615	El Paso, Tex.-----	38	26	642	575
Syracuse, N.Y.-----	60	57	1,028	984	Fort Worth, Tex.-----	62	80	1,104	1,006
Trenton, N.J.-----	46	42	669	688	Houston, Tex.-----	154	145	2,827	2,404
Utica, N.Y.-----	18	24	464	463	Little Rock, Ark.-----	65	77	1,030	901
Yonkers, N.Y.-----	21	39	504	496	New Orleans, La.-----	141	171	3,038	2,653
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	83	79	1,250	1,057
Akron, Ohio-----	49	47	909	927	San Antonio, Tex.-----	79	101	1,725	1,553
Canton, Ohio-----	32	48	594	522	Shreveport, La.-----	55	61	857	822
Chicago, Ill.-----	644	773	12,526	12,061	Tulsa, Okla.-----	51	59	985	786
Cincinnati, Ohio-----	148	144	2,660	2,571	MOUNTAIN:				
Cleveland, Ohio-----	157	220	3,546	3,292	Albuquerque, N. Mex.-----	22	33	494	463
Columbus, Ohio-----	105	113	1,965	1,788	Colorado Springs, Colo.--	9	11	271	264
Dayton, Ohio-----	70	69	1,163	1,056	Denver, Colo.-----	117	104	1,948	1,804
Detroit, Mich.-----	377	350	5,663	5,207	Ogden, Utah-----	15	23	281	254
Evansville, Ind.-----	36	42	619	601	Phoenix, Ariz.-----	82	77	1,249	849
Flint, Mich.-----	43	35	625	639	Pueblo, Colo.-----	14	10	234	198
Fort Wayne, Ind.-----	35	36	601	573	Salt Lake City, Utah-----	59	44	786	758
Gary, Ind.-----	27	24	477	497	Tucson, Ariz.-----	42	29	586	391
Grand Rapids, Mich.-----	64	38	672	662	PACIFIC:				
Indianapolis, Ind.-----	114	152	2,366	2,281	Berkeley, Calif.-----	12	21	285	281
Madison, Wis.-----	36	35	501	432	Fresno, Calif.-----	(44)	(31)	(779)	(630)
Milwaukee, Wis.-----	108	126	2,031	2,076	Glendale, Calif.-----	(40)	(33)	(646)	(595)
Peoria, Ill.-----	33	28	487	474	Honolulu, Hawaii-----	42	42	658	566
Rockford, Ill.-----	21	31	450	432	Long Beach, Calif.-----	54	55	886	894
South Bend, Ind.-----	11	28	469	407	Los Angeles, Calif.-----	452	477	8,764	7,792
Toledo, Ohio-----	101	98	1,678	1,523	Oakland, Calif.-----	97	107	1,579	1,515
Youngstown, Ohio-----	41	53	918	840	Passadena, Calif.-----	35	39	580	487
WEST NORTH CENTRAL:					Portland, Ore.-----	90	130	1,751	1,820
Des Moines, Iowa-----	54	56	902	882	Sacramento, Calif.-----	63	50	973	837
Duluth, Minn.-----	17	24	412	401	San Diego, Calif.-----	91	82	1,522	1,307
Kansas City, Kans.-----	44	23	573	494	San Francisco, Calif.-----	167	183	3,259	3,115
Kansas City, Mo.-----	108	127	2,101	1,898	San Jose, Calif.-----	(39)	(28)	(462)	(398)
Lincoln, Nebr.-----	(26)	(18)	(403)	(406)	Seattle, Wash.-----	136	123	2,242	2,152
Minneapolis, Minn.-----	99	123	1,992	1,922	Spokane, Wash.-----	52	57	751	790
Omaha, Nebr.-----	72	75	1,237	1,140	Tacoma, Wash.-----	41	45	715	667

¹Estimated.

²Includes estimate for current week.

³Includes estimate for current week and previous week.

EXPLANATION OF SYMBOLS USED IN TABLES

Data not available-----	---
Quantity zero-----	-
Percent more than 0 but less than 0.05-----	0.0
Disease stated not notifiable-----	*
Figures within parentheses not included in totals--	()

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SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for Alaska for 1959 and 1960; data for Hawaii are included for 1960 only. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, small-pox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

POSTAGE AND FEES PAID
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